BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of Work: Renovation of Chief Engineer Chamber in Yelahanka Zonal Office Building in Ward no:09.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	310.64	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground to the appropriate disposal area as per direction of Engineer-in-charge.	sqm	31.90	Rupees Thirty One and Ninety Paise Only
2	91.55	Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles 10 mm to 25 mm.	sqm	40.70	Rupees Forty and Seventy Paise Only
3	12.34	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge to the appropriate disposal area.	Cum	95.70	Rupees Ninety Five and Seventy Paise Only
4	39.32	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material to the appropriate disposal area as per direction of Engineer-in-charge.	sqm	30.80	Rupees Thirty and Eighty Paise Only
5	257.98	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete as per specifications and as per directions of Engineer in charge.	sqm	11.00	Rupees Eleven Only
6	310.64	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	sqm	222.20	Rupees Two Hundred Twenty Two and Twenty Paise Only
7	531.47	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	sqm	91.30	Rupees Ninety One and Thirty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
8	531.47	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	sqm	99.00	Rupees Ninety Nine Only
9	10.89	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	sqm	72.60	Rupees Seventy Two and Sixty Paise Only
10	4.00	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.	Nos	1633.50	Rupees One Thousand Six Hundred Thirty Three and Fifty Paise Only
11	0.15	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.	cum	99432.30	Rupees Ninety Nine Thousand Four Hundred Thirty Two and Thirty Paise Only
12	5.78	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification. - 40mm thick both side teak	sqm	4246.00	Rupees Four Thousand Two Hundred Forty Six Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
13	1.42	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm Aluminium hinges. -do- with both side prelam	sqm	4183.30	Rupees Four Thousand One Hundred Eighty Three and Thirty Paise Only
14	10.14	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mmx 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)	sqm	7964.00	Rupees Seven Thousand Nine Hundred Sixty Four Only
15	0.36	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)	sqm	5357.00	Rupees Five Thousand Three Hundred Fifty Seven Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
16	3.36	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per m2 including pointing in white cement mixed with pigment of matching shade complete.	sqm	691.90	Rupees Six Hundred Ninety One and Ninety Paise Only
17	13.76	Providing skirting, dadooing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.	sqm	2159.30	Rupees Two Thousand One Hundred Fifty Nine and Thirty Paise Only
18	73.62	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	sqm	3169.10	Rupees Three Thousand One Hundred Sixty Nine and Ten Paise Only
19	58.52	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete.. Size of Tile 600x600 mm	sqm	1207.80	Rupees One Thousand Two Hundred Seven and Eighty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
20	961.08	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate sections and other sections of approved make conforming to IS: 733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For Fixed Portion: Powder coated aluminium (minimum thickness of powder coating 50 micron) including cost of materials, labour, usage charges of machinery complete as per specifications.	sqm	426.80	Rupees Four Hundred Twenty Six and Eighty Paise Only
21	1.00	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked black solid plastic seat and lid	each	5390.00	Rupees Five Thousand Three Hundred Ninety Only
22	1.00	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brasspillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	each	2134.00	Rupees Two Thousand One Hundred Thirty Four Only
23	1.00	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	1501.50	Rupees One Thousand Five Hundred One and Fifty Paise Only
24	80.00	Supplying heavy gauge PVC Conduit Pipe ....dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20mm dia 2mm thick	Mtr	51.00	Rupees Fifty One Only
25	80.00	25mm dia 2mm thick	Mtr	54.00	Rupees Fifty Four Only
26	30.00	Supplying and fixing PVC/metal conduit Deep junction box. 25mm deep junction box	No	47.00	Rupees Forty Seven Only

Sl. No.	Quantity.	Description	Unit	Rates	
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27	55.00	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall	Mtr	21.00	Rupees Twenty One Only
28	55.00	upto 50mm conduit CC floor	Mtr	38.00	Rupees Thirty Eight Only
29	5.00	Supplying PVC/GI flexible conduit pipe…mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of thepi pe terminated completely. 25mm	Mtr	28.00	Rupees Twenty Eight Only
30	7.00	Supplying And Fixing Metal Fan Box with Round Hook.	No	85.00	Rupees Eighty Five Only
31	5.00	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3Mtr from tapping point to out let via switch.	Point	160.00	Rupees One Hundred Sixty Only
32	4.00	Medium point above 3M. upto 6M from tapping point to out let via switch	Point	250.00	Rupees Two Hundred Fifty Only
33	20.00	Long point above 6Mtr. upto 10M from tapping point to out let via switch	Point	375.00	Rupees Three Hundred Seventy Five Only
34	10.00	Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches	Point	475.00	Rupees Four Hundred Seventy Five Only
35	5.00	Three outlet in a row, above 6Mtr upto 10Mtr from tapping point to out let via switches	Point	675.00	Rupees Six Hundred Seventy Five Only
36	500.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1 sqmm	Mtr	14.00	Rupees Fourteen Only
37	1000.00	1.5 sqmm	Mtr	20.50	Rupees Twenty and Fifty Paise Only
38	100.00	2.5 sqmm	Mtr	32.00	Rupees Thirty Two Only
39	50.00	4 sqmm	Mtr	45.00	Rupees Forty Five Only
40	10.00	6 sqmm	Mtr	70.00	Rupees Seventy Only

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41	20.00	10 sqmm	Mtr	115.00	Rupees One Hundred Fifteen Only
42	1.00	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall. 6Way	No	125.00	Rupees One Hundred Twenty Five Only
43	5.00	8Way	No	145.00	Rupees One Hundred Forty Five Only
44	5.00	10-12Way	No	165.00	Rupees One Hundred Sixty Five Only
45	2.00	16-18Way	No	180.00	Rupees One Hundred Eighty Only
46	1.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module	No	175.00	Rupees One Hundred Seventy Five Only
47	5.00	8 Module	No	200.00	Rupees Two Hundred Only
48	5.00	12 Module	No	230.00	Rupees Two Hundred Thirty Only
49	2.00	16-18 Module	No	270.00	Rupees Two Hundred Seventy Only
50	108.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6Amps one way.	No	70.00	Rupees Seventy Only
51	7.00	Stepped Fan Regulator.	No	290.00	Rupees Two Hundred Ninety Only
52	3.00	16Amps one way switch	No	115.00	Rupees One Hundred Fifteen Only
53	5.00	32Amps DP switch	No	182.00	Rupees One Hundred Eighty Two Only
54	10.00	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32 Amps SP.	No	434.00	Rupees Four Hundred Thirty Four Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
55	1.00	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door. 6 way TPN	No	3330.00	Rupees Three Thousand Three Hundred Thirty Only
56	3.00	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. 100Amps 4x30x6mm Aluminium Strips.	Mtr	2050.00	Rupees Two Thousand Fifty Only
57	3.00	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 50x50x6mm	Mtr	330.00	Rupees Three Hundred Thirty Only
58	3.00	40*40*6mm	Mtr	255.00	Rupees Two Hundred Fifty Five Only
59	3.00	50X100X50X6mm C channel	Mtr	630.00	Rupees Six Hundred Thirty Only
60	125000.00	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 14SWG	Sq.cm	0.40	and Forty Paise Only
61	1.00	PART-F-FANS AND HVAC Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.15" Sweep	No	4000.00	Rupees Four Thousand Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
62	8.00	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS:1709/1984 with latest amendment, Rated voltage 220 V/ 50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value ≥ 4.2 CMM / Watt, Three Blades of blade leaf 1.05mm thick Aluminium Alloy sheet, Class B motor insulation,Bearing Two ball bearings, Top 6202, Bottom 6201 , as per IS specification, Motor wdg. Temp rise Shall not exceed 75 degC over and ambient of 40 0C by resistance method at 245Volts, Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms), Leakage current Should not exceed 210Micro Amp, Power input, watt& current , Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty. 48" Sweep 5 Star (1200mm)	No	2900.00	Rupees Two Thousand Nine Hundred Only
63	20.00	Supplying of .....feet - PVC Batten with integrated LED tube.....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x 4' - 20/22w	No	375.00	Rupees Three Hundred Seventy Five Only
64	20.00	Fixing all types and all capacities of fluorescent / false ceiling/ spot light / CFL / LED fittings indoor on the wall / ceiling /rafters / girders using 23/0.0076" twin twisted PVC insulatedwires, required Nos of round blocks and clamps.	No	110.00	Rupees One Hundred Ten Only
65	7.00	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired.	No	260.00	Rupees Two Hundred Sixty Only
66	7.00	Extra length of GI pipe of class B 19mm dia for down rod.	No	160.00	Rupees One Hundred Sixty Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
67	1.00	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps. ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire.	No	400.00	Rupees Four Hundred Only

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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))